

Supplementary Table 4. Indices' mean for each part of the cycle. The four subjectivity-based samples identified in the phenomenological analysis are distinguished regarding interpersonal level of description of the mechanical parameters.

| | SSE-M (N=154) | | SSE-D (N=15) | | SSE-E (N=18) | | SDE (N=17) | |
|--|------------------|-------|-----------------|-------|-----------------|-------|---------------|-------|
| | Mean | SD | Mean | SD | Mean | SD | Mean | SD |
| The full cycle | | | | | | | | |
| Difference timing catch angle (s) | 0.05 | 0.04 | 0.07 | 0.04 | 0.06 | 0.04 | 0.06 | 0.04 |
| Angle CRP (°) | 2.21 | 2.68 | 2.57 | 3.37 | 1.54 | 2.71 | 2.00 | 2.46 |
| SD Angle CRP (°) | 9.90 | 2.20 | 10.40 | 2.39 | 8.91 | 1.90 | 9.79 | 2.72 |
| Gap between each force peak level (N) | 5.64 | 10.78 | 11.03 | 4.69 | 1.06 | 10.33 | 6.43 | 11.21 |
| Gap timing between each force peak (%) | 0.36 | 1.48 | 0.07 | 0.88 | 0.78 | 1.63 | 0.12 | 1.50 |
| The Drive phase | | | | | | | | |
| Angle CRP (°) | 4.66 | 7.78 | 2.85 | 9.59 | 4.89 | 7.64 | 2.78 | 5.72 |
| SD Angle CRP (°) | 11.87 | 4.15 | 11.74 | 3.10 | 10.45 | 4.00 | 11.26 | 4.23 |
| First half of the Drive | | | | | | | | |
| Angle CRP (°) | 6.50 | 10.54 | 5.31 | 11.32 | 8.26 | 11.19 | 3.25 | 8.95 |
| SD Angle CRP (°) | 11.50 | 4.91 | 11.22 | 4.83 | 9.75 | 4.69 | 10.13 | 3.60 |
| Second half of the Drive | | | | | | | | |
| Angle CRP (°) | 8.57 | 3.76 | 0.39 | 9.31 | 1.50 | 5.82 | 2.26 | 5.49 |
| SD Angle CRP (°) | 8.93 | 5.30 | 9.25 | 4.45 | 7.52 | 3.56 | 9.15 | 6.66 |
| The Recovery phase | | | | | | | | |
| Angle CRP (°) | -13.08 | 44.55 | -15.91 | 40.45 | -24.12 | 38.14 | -12.79 | 55.16 |
| SD Angle CRP (°) | 92.61 | 32.44 | 88.43 | 32.76 | 95.93 | 25.28 | 97.60 | 29.65 |
| First half of the Recovery | | | | | | | | |
| Angle CRP (°) | -10.46 | 23.46 | -7.60 | 18.53 | -16.03 | 22.59 | -11.71 | 25.25 |
| SD Angle CRP (°) | 27.36 | 11.54 | 21.66 | 7.17 | 29.75 | 13.98 | 27.17 | 13.64 |
| Second half of the Recovery | | | | | | | | |
| Angle CRP (°) | -15.95 | 71.49 | -24.33 | 70.26 | -32.30 | 59.89 | -14.32 | 88.08 |
| SD Angle CRP (°) | 121.17 | 45.18 | 115.18 | 44.09 | 127.63 | 33.68 | 127.74 | 38.02 |

Note: CRP= Continuous Relative Phase